

Abstract of the Invention

The portable cleaning device of the present invention utilizes a forward housing which includes an ultrasonic radiator and an ultraviolet radiator. A rearwardly located detergent spray reservoir can be used to optionally apply what may 5 preferably be a dilute solution of soap material. Once solvent is added to the soiled area, the ultrasonic front located area can be placed in contact with the wetted garment area and energized to bring the ultrasonic radiator into direct contact 10 with the solution in contact with the soiled area. This enables less energy to be utilized due to the close proximity to a limited liquid volume in the immediate area of the fabric and closely co-located with the soiled mass. Actuation of a ultraviolet radiator is activated simultaneously with the 15 actuation of the ultrasonic radiator to begin to help with the odor problem from the outset of the cleaning activity. The combination of ultrasonic and ultraviolet energy input also provides energy to the solvent within the fabric to both increase the efficiency of cleaning and to assist the 20 evaporation of solvent. The portable cleaning device can also be utilized with other solvents supplied by the user.